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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing      OR      ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	010949
First Named Inventor	Weller et al.
<b>COMPLETE IF KNOWN</b>	
Application Number	Unassigned
Filing Date	Herewith
Group Art Unit	
Examiner Name	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MAGNETIC RECORDING MEDIA HAVING SELF ORGANIZED MAGNETIC ARRAYS

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

**Burden Hour Statement:** This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**DECLARATION — Utility or Design Patent Application**Direct all correspondence to: ☐ Customer Number or Bar Code Label ☐ OR ☒ Correspondence address below

Name Bryan H. Opalko, Buchanan Ingersoll, PC.

Address 301 Grant Street, 20th Floor

City Pittsburgh State PA ZIP 15219

Country USA Telephone 412/562-1893 Fax 412/562-1041

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name Dieter Klaus Family Name or Surname Weller

Inventor's Signature *Dieter Klaus Weller* Date 10/10/01

Residence: City Gibsonia State PA USA Country German Citizenship

Mailing Address 7019 Oak Park Drive

City Gibsonia State PA ZIP 15044 Country USA

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name Neil Family Name or Surname Deeman

Inventor's Signature Date

Residence: City Alamo State CA USA Country British Citizenship

Mailing Address 101 Leona Court

City Alamo State CA ZIP 94507 Country USA

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box → +

PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## DECLARATION

## ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Rene Johannes Marinus

van de Veerdonk

Inventor's  
Signature

*Rene van de Veerdonk*

Date Oct 10, 2001

Residence: City Pittsburgh

State PA

Country USA

Citizenship Dutch

Mailing Address 1420 Centre Avenue

Mailing Address Apt. 2108

City Pittsburgh

State PA

ZIP 15219

Country USA

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Nisha

Shukla

Inventor's  
Signature

*Nisha Shukla*

Date Oct 10, 01

Residence: City Pittsburgh

State PA

Country USA

Citizenship Indian

Mailing Address 515 S. Aiken Avenue

Mailing Address Apt. 405

City Pittsburgh

State PA

ZIP 15232

Country USA

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])

Family Name or Surname

Inventor's  
Signature

Date

Residence: City

State

Country

Citizenship

Mailing Address

Mailing Address

City

State

ZIP

Country

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Attorney Docket Number 010949

First Named Inventor Weller et al.

**COMPLETE IF KNOWN**

Application Number Unassigned

Filing Date Herewith

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MAGNETIC RECORDING MEDIA HAVING SELF ORGANIZED MAGNETIC ARRAYS

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I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number  OR ☒ Correspondence address below

Name Bryan H. Opalko, Buchanan Ingersoll, PC.

Address 301 Grant Street, 20th Floor

City Pittsburgh State PA ZIP 15219

Country USA Telephone 412/562-1893 Fax 412/562-1041

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any]) Dieter Klaus Family Name or Surname Weller

Inventor's Signature Date

Residence: City Gibsonia State PA USA Country German Citizenship

Mailing Address 7019 Oak Park Drive

City Gibsonia State PA ZIP 15044 Country USA

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any]) Neil Family Name or Surname Deeman

Inventor's Signature *Neil Deeman* Date 10/16/01

Residence: City Alamo State CA USA Country British Citizenship

Mailing Address 101 Leona Court

City Alamo State CA ZIP 94507 Country USA

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box → ☐

PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

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## DECLARATION

## ADDITIONAL INVENTOR(S)

### Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Rene Johannes Marinus		van de Veerdonk	
Inventor's Signature		Date	
Residence: City	Pittsburgh	State	PA
Country	USA	Citizenship	Dutch
Mailing Address 1420 Centre Avenue			
Mailing Address Apt. 2108			
City	Pittsburgh	State	PA
ZIP	15219	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Nisha		Shukla	
Inventor's Signature		Date	
Residence: City	Pittsburgh	State	PA
Country	USA	Citizenship	Indian
Mailing Address 515 S. Aiken Avenue			
Mailing Address Apt. 405			
City	Pittsburgh	State	PA
ZIP	15232	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
City		State	
ZIP		Country	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : PATENT APPLICATION  
DIETER K. WELLER ET AL. : MAGNETIC RECORDING MEDIA  
Serial No.: unassigned : HAVING SELF ORGANIZED MAGNETIC  
: ARRAYS  
Filed: herewith :

**POWER OF ATTORNEY**

We, Seagate Technology LLC, a Delaware corporation, as assignee of the above-identified application, hereby appoint the following attorney(s) and/or agent(s) to prosecute and to transact all business in the Patent and Trademark Office in connection with the above-identified application: Lynn J. Alstadt, Registration No. 29,362; Jose J. Aparicio, Registration No. P-48,837; George Patrick Baier, Registration No. 26,717; Dennis M. Carleton, Registration No. 40,938; Craig G. Cochenour, Registration No. 33,666; Michael L. Dever, Registration No. 32,216; John E. Grosselin, III, Registration No. 38,478; Bryan H. Opalko, Registration No. 40,751; Michael G. Panian, Registration No. 32,623; and Carla J. Vrsansky, Registration No. 36,958 of the firm of Buchanan Ingersoll Professional Corporation.

In addition, the undersigned appoints Carol I. Bordas, Registration No. 37,284; Derek J. Berger, Registration No. 45,401; Kirk A. Cesari, Registration No. P-47,479; Shawn B. Dempster, Registration No. 34,321; Raghunath Minsandram, Registration No. 38,683; Johathan E. Olson, Registration No. 41,231 and Paul Dietz, Registration No. 38,858 of Seagate Technology LLC as attorneys and/or patent agents with the full power to represent the application in connection with this application.

Address all correspondence to:

**Bryan H. Opalko**

**Buchanan Ingersoll Professional Corporation**  
**One Oxford Centre**  
**301 Grant Street, 20th Floor**  
**Pittsburgh, Pennsylvania 15219-1410**  
**e-mail: opalkobh@bipc.com**  
**voice: 412-562-1893**  
**fax: 412-562-1041**

Date 11-13-01

Seagate Technology LLC  
By Carol I. Bordas  
Carol I. Bordas



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Dieter K. Weller et al.Application No./Patent No.: unassigned Filed/Issue Date: herewithEntitled: MAGNETIC RECORDING MEDIA HAVING SELF ORGANIZED MAGNETIC ARRAYSSeagate Technology LLC, a Delaware corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. [ ] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[X] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

11-13-01  
Date

Carol I. Bordas

Typed or printed name

Signature

IP Division Counsel

Title

# Assignment

Dieter K. Weller, Neil Deeman, Rene Johannes Marinus van de Veerdonk  
WHEREAS, We, and Nisha Shukla  
residing at Gibsonia, Allegheny Co., PA; Alamo, Contra Costa County, CA;  
Pittsburgh, Allegheny Co, PA and Pittsburgh, Allegheny Co., PA, respectively  
have invented certain new and useful improvements in MAGNETIC RECORDING MEDIA HAVING SELF ORGANIZED MAGNETIC  
for which we executed an application for United States Letters Patent, ARRAYS

AND WHEREAS Seagate Technology LLC

hereinafter called the "assignee," is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by said assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof, including all priority rights under the International Convention associated therewith for each country and the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED \_\_\_\_\_, 20\_\_\_\_

Dieter K. Weller (SEAL)  
Dieter K. Weller

Neil Deeman (SEAL)  
Neil Deeman

Rene Johannes Marinus van de Veerdonk (Seal)  
Rene Johannes Marinus van de Veerdonk

Nisha Shukla (Seal)  
Nisha Shukla

State of Pennsylvania  
County of Allegheny ss:

Before me, a Notary Public in and for the said County and State, personally appeared:  
Dieter K. Weller

who acknowledged that they are the persons who executed the foregoing assignment and acknowledged it to be their free and voluntary act and deed.

Witness my hand and notarial seal this 10 day of OCTOBER, 2001

(Notarial Seal)

Charlotte Wlodkowski  
Notary Public

NOTE - This assignment should be recorded in the U.S. Patent and Trademark Office within three months after its date of execution.

Notarial Seal  
Charlotte Wlodkowski, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires Apr. 12, 2004  
Member, Pennsylvania Association of Notaries

State of California }  
County of Contra Costa } ss

Before me, a Notary Public in and for the said County and State, personally appeared:  
Neil Deeman

who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

(Notarial Seal)

\_\_\_\_\_  
Notary Public

State of Pennsylvania }  
County of Allegheny } ss

Before me, a Notary Public in and for the said County and State, personally appeared:  
Rene Johannes Marinus van de Veerdonk

who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 10 day of October, 2001.

(Notarial Seal)

Charlotte Wlodkowski  
Notary Public

Notarial Seal  
Charlotte Wlodkowski, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires Apr. 12, 2004  
Member, Pennsylvania Association of Notaries

State of Pennsylvania

County of Allegheny

ss

Before me, a Notary Public in and for the said County and State, personally appeared  
Nisha Shukla

who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 10 day of October, 2001

(Notarial Seal)

Charlotte Wlodkowski

Notary Public

Notarial Seal  
Charlotte Wlodkowski, Notary Public  
Pittsburgh, Allegheny County  
My Commission Expires Apr. 12, 2004

Member, Pennsylvania Association of Notaries

# Assignment

Dieter K. Weller, Neil Deeman, Rene Johannes Marinus van de Veerdonk

WHEREAS, We, \_\_\_\_\_ and Nisha Shukla

residing at Gibsonia, Allegheny Co., PA; Alamo, Contra Costa County, CA;

Pittsburgh, Allegheny Co, PA and Pittsburgh, Allegheny Co., PA, respectively

have invented certain new and useful improvements in MAGNETIC RECORDING MEDIA HAVING SELF ORGANIZED MAGNETIC  
for which we executed an application for United States Letters Patent, ARRAYS

AND WHEREAS Seagate Technology LLC

hereinafter called the "assignee," is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration paid to us by said assignee, receipt whereof we hereby acknowledge, we do hereby assign, sell, transfer, and set over unto said assignee the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, renewals, and/or extensions thereof, including all priority rights under the International Convention associated therewith for each country and the Union, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner of Patents and Trademarks is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said assignee or the representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Dieter K. Weller (SEAL)

\_\_\_\_\_  
Neil Deeman

\_\_\_\_\_  
Rene Johannes Marinus van de Veerdonk (Seal)

\_\_\_\_\_  
Nisha Shukla (Seal)

State of Pennsylvania

Allegheny

County of \_\_\_\_\_

ss:

Before me, a Notary Public in and for the said County and State, personally appeared:

Dieter K. Weller

who acknowledged that they are the persons who executed the foregoing assignment and acknowledged it to be their free and voluntary act and deed.

Witness my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Notarial Seal)

\_\_\_\_\_  
Notary Public

**NOTE - This assignment should be recorded in the U.S. Patent and Trademark Office within three months after its date of execution.**

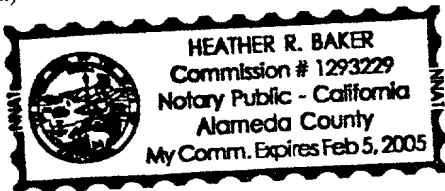
State of California }  
County of Contra Costa } ss

Before me, a Notary Public in and for the said County and State, personally appeared  
Neil Deeman

who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 16<sup>th</sup> day of October, 2001

(Notarial Seal)



Heather R. Baker  
Notary Public

State of Pennsylvania }  
County of Allegheny } ss

Before me, a Notary Public in and for the said County and State, personally appeared:  
Rene Johannes Marinus van de Veerdonk

who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Notarial Seal)

\_\_\_\_\_  
Notary Public

State of Pennsylvania }  
County of Allegheny } ss

Before me, a Notary Public in and for the said County and State, personally appeared  
Nisha Shukla

who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

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(Notarial Seal)

\_\_\_\_\_  
Notary Public